

Title (en)

Method for preparing formed polyurethane foam materials and formed polyurethane foam materials therefrom

Title (de)

Verfahren zur Herstellung von Polyurethanschaumformteilen und so geformte Polyurethanschaumformteilen

Title (fr)

Méthode pour la préparation de pièces moulées en mousse de polyuréthane et pièces ainsi moulées

Publication

**EP 1721720 A1 20061115 (EN)**

Application

**EP 05010158 A 20050510**

Priority

EP 05010158 A 20050510

Abstract (en)

This invention relates to a novel method for the preparation of polyurethane foam materials suited for seamless breast pads, cups, fronts and the like for use in brassieres and other garments. Polyurethane foam is produced from aliphatic isocyanates and polyols. The aliphatic polyurethane foam is reticulated to remove all celled membranes and sliced into sheet with a thickness greater than the thicker wall of the finished brassiere cup. The sliced aliphatic polyurethane foam sheet is then pressed between mold parts of a female mold part and a male mold part. The mold parts are closed and pressed whereby the aliphatic polyurethane foam material is molded into the exact shape of the mold cavity. The molded aliphatic polyurethane foam material can be used as seamless breast pads, cups, fronts and the like in brassieres and other garments and expresses superior non-yellowing properties over previous aromatic polyurethane brassiere pads and improved breathability and porosity.

IPC 8 full level

**B29C 44/56** (2006.01)

CPC (source: EP)

**B29C 44/5627** (2013.01); **B29C 44/569** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 08 6 August 2003 (2003-08-06)

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